

Trixa ---. September, North Wales. The same species as that which Dr. Leach sent to Meigen, and which the latter described as a variety of *T. variegata*, but observed that it might be distinct.

Themira pilosa, Ent. Mag. Vol. I. p. 254. For *Themira pilosa*, read *Themira superba*, Haliday, (*Sepsis-idem*, E. M. I. 170.) and transfer the reference to *Themira putris*. I am indebted to Mr. Haliday for the correction of this error.

Psila rufa, Hoffmasegg. September; on heath near Llangollen, North Wales.

P. pallida, Fallen. Found near New Lanark, Scotland.

Diastata obscurella, Meigen. Frequents the dampest and most shady woods. Found during the summer and autumn in Hampshire, Devonshire, and North Wales.

Phora abdominalis, Fallen. October; on larches, North Wales.

ART. XX. — *Monographia Chalciditum*. By FRANCIS WALKER.

(Continued from page 97.)

———“the green myriads in the peopled grass.”

Sp. 68. Pter. junceus. Fem. *Viridis, abdominis discus purpureo-cupreus, pedes flavi, antennæ et femora nigra, alæ limpidæ.*

Obscure viridis: oculi ocellique rufi: antennæ nigrae; articulus 1^{us}. basi fulvus: abdomen pupureo-cupreum, basi apice subtus et utrinque viride: pedes læte flavi; coxæ virides; trochanteres fusci; femora nigra, apice flava; meso- et metatarsi apice fusci; protibiæ et protarsi sordide fulva: alæ limpidæ; squamulæ et nervi flava, illæ apice fusca; stigma minutum. (Corp. long. lin. 1; alar. lin. 1½.)

Found near London.

SECTIO VIII.—Fem.

Corpus longum, angustum: caput thorace paullo latius: antennæ filiformes, corporis dimidio non longiores; articuli 5^o. ad 10^{um}.

curtantes; clava fusiformis, articulo 10^o. fere duplo longior: thorax longi-ovatus: prothorax brevissimus: mesothoracis parapsides vix conspicuæ: metathorax brevis: abdomen fusiforme, acuminatum, thorace multo longius, supra planum, subtus angulatum, non compressum; segmenta subæqualia: oviductus abdomine occultus: alæ amplæ.

Sp. 69. Pter. filicornis. Fem. *Viridis, abdomen aureo-viride, antennæ nigræ, pedes fulvo-flavi, alæ limpidae.*

Læte viridis: oculi ocellique rufi: antennæ nigræ, graciles; articulus 1^{us}. fulvus, apice niger: abdomen aureo-viride; segmentum 1^{um}. cupreomicans, sequentia apice cuprea: pedes læte fulvi; coxæ virides; meso-et metapedum tibiæ et tarsi læte flava, hi apice fuscii: alæ limpidae; squamulæ et nervi fulva, illæ apice nigræ; stigma fuscum, parvum. (Corp. long. lin 1½; alar. lin. 2¼.)

Found near London.

SECTIO IX.—Fem.

Corpus longum, angustum, subtilissime squameum, fere glabrum: caput thoracis latitudine: mandibulæ quadratæ, subarcuatæ, similes, dentibus 4 minutis armatæ; dens 1^{us}. acutus; 2^{us}. brevior et obtusior; 3^{us}. multo minor; 4^{us}. brevis, latus, obtusus; maxillæ longæ, subarcuatæ; lacinia angustæ, acuminatæ, intus lobatæ; palpi 4-articulati, graciles, filiformes, articulus 1^{us}. mediocris, 2^{us}. paullo longior, 3^{us}. 1ⁱ. longitudine; 4^{us}. longi-fusiformis, acuminatus, 2^o. plus duplo longior: labium longum, angustum, subfusiforme; apex s palpiger apice furcatus; ligula brevis, lata, ciliata; palpi 3-articulati, extrorsum crassiores, ligula vix longiores; articulus 1^{us}. mediocris; 2^{us}. brevissimus; 3^{us}. longi-ovatus, 1^o. longior et crassior: antennæ graciles, extrorsum crassiores, corporis dimidio vix longiores; articuli 5^o. ad 10^{um}. longitudine decrescentes sensimque crassiores; clava linearis, acuminata, articulo 10^o. plus duplo longior vix latior: thorax longi-ovatus, parum-convexus: prothorax brevissimus: mesothoracis scuto parapsides-fere in unum confusæ: metathorax bene determinatus, medio sulcatus: abdomen longi-ovatum, acuminatum, fere læve, thorace paullo longius, supra planum, subtus carinatum, non compressum nec angulatum; segmentum 1^{um}. longum; 2^{um}. 3^{um}. et 4^{um}. brevia; 5^{um}. 6^{um}. et 7^{um}. paullo longiora: oviductus abdomine omnino occultus: alæ amplæ; nervus cubitalis radiali brevior.

Sp. 70. Pter. muscarum. Fem. *Viridis, ceneo cupreo et cyaneo varius, antennæ nigræ, pedes flavi, alæ limpidæ.*

Ichneumon muscarum . . . *Linn. Syst. Nat.* II. 938. 62; *Faun. Suec.* 1636; *Gmel. Syst. Nat.* V. 2713. 62; *Deg. Ins.* I. 604—608; tab. 32. fig. 17—21; *Fabr. Sp. Ins.* I. 438. 109; *Mant. Ins.* I. 270. 130; *Syst. Ent.* 342. 84; *Ent. Syst.* II. 185. 214; *Müll. Faun. Fridr.* 621; *Vill. Ent. Linn.* III. 205. 230.

Cleptes muscarum . . . *Fabr. Syst. Piezat.* 156. 7.

Cynips viridis nitens, &c. . *Geoff. Ins.* II. 308. 31.

Lætissime viridis, nitens: maxillæ et labium viridia; lacinia, palpi maxillares et ligula flava; palpi labiales pallide fusci: oculi ocellique rufi: antennæ nigræ; articulus 1^{us}. fulvus, apice niger: mesothoracis postscutellum viridi-æneum: abdominis discus purpureus; segmentum 1^{um}. cupreo varium, 6^{um}. et 7^{um}. æneo-viridia: pedes læte flavi; coxæ virides; femora extus fulvo vittata; meso- et metatarsi apice fusci: alæ limpidissimæ; squamulæ et nervi flava, illæ apice nigræ; stigma fulvum, minutum. (Corp. long. lin. 1—1½; alar. lin. 1½—2¼.)

Var. β.—Caput supra thoracisque suturæ æneo-viridia: abdomen viridi-cupreum, fasciis 4 medio connexis purpureis; segmentum 1^{um}. viride, cupreo maculatum.

Var. γ.—Abdominis segmenta basi utrinque et subtus læte cuprea.

Var. δ.—Thorax cupreo-viridis.

Var. ε.—Abdomen cupreum; discus purpureus; segmenta apice viridia.

Var. ζ.—Antennis articulus 1^{us}. fuscus, basi fulvus, apice niger: abdominis segmenta cupreo varia; 1^{um}. cupreum, apice viride.

Var. η.—Abdomen læte viride; discus purpureus.

Var. θ, Var. η, similis: antennæ articulo 1^o. supra fusco: profemora extus fusca.

Var. ι.—Abdominis segmentum 1^{um}. cyaneum.

Var. κ.—Thorax supra cyaneo-viridis.

Var. λ.—Viridi-cyaneus: antennis articulus 1^{us}. fuscus, basi fulvus, apice niger: abdominis discus purpureus: profemora extus fusca.

Var. μ.—Caput et thorax æneo-viridia : abdomen cupreo-varium.

Var. ν.—Antennæ articulo 1^o. flavo, apice fusco.

Var. ξ. *Var. μ.* similis : antennæ articulo 1^o. fusco, apice nigro : abdomen viride ; discus cupreus.

Var. ο.—Antennæ nigro-fuscæ : proalæ subfulvæ.

Common on windows, &c. in most parts of Britain, throughout the year. Taken at Paris by the Comte de Castelneau.

SECTIO X.—Fem.

Caput thorace paullo latius : antennæ mediocres, subclavatae, corporis dimidio breviores ; articuli 5^o. ad 10^{um}. curtantes et latescentes ; clava longi-ovata, articulo 10^o. duplo longior et manifeste latior : thorax ovatus, convexus : prothorax brevissimus : mesothoracis parapsidum suturæ vix conspicuæ : metathorax brevis : abdomen acuminatum, thorace longius, subtus carinatum, non compressum nec angulatum ; segmentum 1^{um}. magnum ; reliqua breviora ; 2^{um}. et sequentia ad 6^{um}. longitudine crescentia : oviductus occultus : alæ mediocres ; nervus humeralis ulnari duplo longior ; cubitalis radiali brevior ; stigma ramulum brevem emittens.

*ABDOMEN LONGI-OVATUM.

Sp. 71. Pter. basalis. Fem. *Æneo-viridis, abdomen cupreo-purpureum basi viride, antennæ fuscæ, pedes flavi, femora viridia, alæ limpidæ.*

Æneo-viridis, parum nitens : caput viride : oculi ocellique rufi : antennæ fuscæ, apice et subtus pallidiores ; articulus 1^{us}. fulvus, apice obscurior : abdomen cupreo-purpureum, nitens, thorace multo longius vix angustius, paullo attenuatum ; segmentum 1^{um}. læte viride ; sequentia basi viridia : pedes læte flavi ; coxæ et femora viridia, hæ apice flava ; metatibiæ fulvo cingulatae ; meso- et metatarsi pallidi, apice fuscæ : alæ limpidæ ; squamulæ et nervi flava, illæ apice fuscæ ; stigma fulvum, parvum. (Corp. long. lin. 1 $\frac{1}{3}$; alar. lin. 1 $\frac{3}{4}$.)

September ; Isle of Wight.

Sp. 72. Pter. decius. Fem. *Viridi-æneus, abdominis discus purpureus, antennæ fuscæ, pedes rufi, alæ sublimpidæ.*

Viridi-æneus, parum nitens : caput antice viride : oculi ocellique rufi : antennæ fuscæ, corporis dimidio vix longiores ; articulus

1^{us}. fulvus, apice fuscus: thoracis segmentorum suturæ cyaneo-virides: abdomen æneo-viride, nitens; discus purpureus; segmentum 1^{um}. cupreo varium: pedes rufi; coxæ virides; genua, meso- et metatarsi flava, hi apice fusci: alæ griseolimpidæ; squamulæ fulvæ, apice fusæ; nervi fusci, basi fulvi; stigma obscurius, parvum. (Corp. long. lin. $1\frac{1}{3}$; alar. lin. $1\frac{3}{4}$.)

Found near London.

**ABDOMEN OVATUM.

Sp. 73. Pter. lautus. Fem. *Æneo-viridis*, abdomen nigro-cupreum, antennæ fulvofusæ, pedes flavi, femora viridia, tibiæ fulvo cingulatæ, alæ fusæ.

Æneo-viridis, brevis, latus: caput viride: oculi ocellique rufi: antennæ fulvofusæ; articuli 1^o. ad 4^{um}. pallide fulvi: abdomen nigro-cupreum; segmentum 1^{um}. splendide cupreum: pedes flavi; coxæ et femora viridia, hæ apice flava; meso- et metatibiæ fulvo cingulatæ; tarsi apice fusci: alæ fulvo-fusæ, basi fere limpidae; squamulæ et nervi fulva, illæ apice fusæ; stigma fuscum, mediocre. (Corp. long. lin. $\frac{4}{5}$ —1; alar. lin. $1\frac{1}{3}$ — $1\frac{1}{2}$.)

Var. β .—Thorax viridis.

Found near London.

Sp. 74. Pter. infectus. Fem. *Viridi-æneus*, abdomen cupreo-purpureum, antennæ fusæ, pedes fulvi, femora viridia, tibiæ fusco-cingulatæ, alæ limpidae.

Æneus, parum nitens: caput æneo-viride: oculi ocellique rufi: antennæ obscure fusæ; articulus 1^{us}. fulvus, apice fuscus: abdomen cupreo-purpureum; segmentum 1^{um}. læte viride, cupreo varium; sequentia basi utrinque viridia: pedes flavi; coxæ et femora viridia, hæ apice fulva; meso- et metapedum tibiæ fusco cingulatæ; tarsi apice fusci: alæ limpidae; squamulæ et nervi fulva, illæ apice fusæ; stigma obscurius parvum; nervus cubitalis radialis vix brevior. (Corp. long. lin. $\frac{5}{4}$ — $1\frac{1}{3}$; alar. lin. $1\frac{1}{4}$ — $1\frac{5}{4}$.)

Var. β .—Viridi-æneus: caput viride: abdomen viride; discus cupreo-purpureus; segmentum 1^{um}. basi cupreo-varium.

Var. γ .—Abdomen purpureum, utrinque cupreo-æneum; segmentum 1^{um}. æneo-viride, cupreo-varium.

Var. δ. Var. β. similis: caput viridi-æneum: thorax cupreo-æneus: protibiæ fusco cingulatæ.

Var. ε.—Antennæ articulo 1^o. omnino fulvo.

Var ζ. Var. β. similis: thorax viridis.

September; near London; Isle of Wight.

Sp. 75. Pter. placidus. Fem. *Viridi-æneus, abdominis discus purpureus, antennæ nigro-fuscæ, pedes fulvi, femora viridi fusca, tibiæ fusco-cingulatæ, alæ limpidæ.*

Æneus, parum nitens: caput viride: oculi ocellique rufi: antennæ nigro-fuscæ; articulus 1^{us}. basi et subtus fulvus: abdomen viridi-æneum; discus purpureus; segmentum 1^{um}. viride, cupreo varium: pedes fulvi; coxæ virides; femora viridi-fusca; meso- et metapedum tibiæ fusco cingulatæ, apice flavæ; tarsi flavi, apice fuscii: alæ limpidæ; squamulæ et nervi flava, illæ apice fuscæ; stigma fulvum, parvum. (Corp. long. lin. $1\frac{1}{3}$ — $1\frac{1}{2}$; alar. lin. $1\frac{3}{4}$ —2.)

Var. β.—Abdominis segmentum 1^{um}. viridi-æneum, cupreo varium: profemora extus fusco vittata.

Var. γ. Var. β. similis: caput æneo-viride: scutellum cupreo-æneum.

New Lanark, Scotland. September; Isle of Wight.

Sp. 76. Pter. impeditus. Fem. P. placido *simillimus, antennæ breviores.*

Æneus, parum nitens: caput æneo-viride: oculi ocellique rufi: antennæ fuscæ; articulus 1^{us}. basi et subtus fulvus: abdomen æneo-viride; discus purpureus; segmentum 1^{um}. cupreo varium: pedes flavi; coxæ virides; femora viridi-fusca, apice flava; tibiæ fusco cingulatæ; tarsi apice fuscii; protarsi fulvi: alæ limpidæ; squamulæ et nervi flava, illæ apice fuscæ; stigma fuscum, parvum. (Corp. long. lin. $\frac{3}{4}$ — $1\frac{1}{5}$; alar. lin. $1\frac{1}{4}$ — $1\frac{3}{4}$.)

Var. β.—Stigma pallide fulvum.

September; Isle of Wight.

Sp. 77. Pter. ovatus. Mas. et Fem. P. impedito *simillimus at brevior.*

Mas.—Viridis: os fulvum: oculi ocellique rufi: antennæ fulvæ, extrorsum crassiores; articulus 1^{us}. obscure fuscus, basi fulvus; 5^{us}. et sequentes ad 10^{um}. curtantes; clava articulo 10^o. paullo

latior et plus duplo longior: abdomen thorace vix longius, basi cyaneo-viride; discus cupreus; sexualia fulva, exerta: pedes flavi; coxæ et femora viridia, hæ apice flava; tarsi apice fusci; protarsi fulvi: alæ limpidæ; squamulæ et nervi flava, illæ apice fusæ; stigma pallide fulvum, parvum.

Fem.—Æneo-viridis: caput viride; antennæ obscure fusæ; articulus 1^{us}. basi et subtus fulvus: abdomen æneo-viride; discus purpureus; segmentum 1^{um}. cupreo varium: stigma flavum. (Corp. long. lin. $\frac{3}{4}$ —1; alar. lin. $1\frac{1}{4}$ — $1\frac{1}{2}$.)

Var. β. Fem.—Viridis: abdominis discus purpureus.

Var. γ. Fem.—Caput et thorax viridi-ænea.

Var. δ. Fem. Var. β. similis: meso- et metatibiæ fusco cingulatæ: stigma fulvum.

Var. ε Fem. Var. δ. similis: antennæ pallide fusæ.

September; Isle of Wight.

SECTIO XI.—Fem.

Corpus angustum: caput thorace latius: antennæ clavatæ, latæ, corporis dimidio multo breviores; articuli 5°. ad 10^{um}. latitudine crescentes longitudine subæquales; clava longi-ovata, articulo 10°. duplo longior et manifeste latior: thorax longi-ovatus: prothorax brevissimus: mesothoracis parapsidum suturæ vix conspicuæ; metathorax bene determinatus: abdomen longi-ovatum, thoracis longitudine et latitudine, subtus carinatum, non angulatum nec compressum; segmentum 1^{um}. magnum; sequentia breviora: oviductus occultus: alæ angustæ; nervus cubitalis radiali multo brevior.

Sp. 78. *Pter. contractus. Fem. Viridis, abdominis discus purpureus, antennæ fusæ, pedes flavi, alæ sublimpidæ.*

Viridis, nitens: oculi ocellique rufi: antennæ pallide fusæ; articulus 1^{us}. fulvus: mesothoracis scutellum et abdomen æneo-viridia, hujus discus purpureus, segmentum 1^{um}. cupreo varium: pedes læte flavi; coxæ virides; meso- et metatarsi pallidi, apice fusci: alæ sublimpidæ; squamulæ et nervi pallide flava, illæ apice fusæ; stigma minutum. (Corp. long. lin. $1\frac{1}{4}$; alar. lin. $1\frac{1}{2}$.)

Found near London.

Sp. 79. Pter. linearis. Fem. *Viridis, abdomen cupreo-purpureum segmentis basi viridibus, antennæ fuscæ, pedes fulvi, femora viridia, alæ limpidæ.*

Viridis; oculi ocellique obscure rufi: antennæ obscure fuscæ; articulus 1^{us}. fulvus, apice obscurior: abdomen cupreo-purpureum; segmentum 1^{um}. læte viride, apice purpureum; sequentia basi viridia: pedes fulvi; coxæ et femora viridia, hæ apice fulva; meso- et metatarsi flavi, apice fusci: alæ limpidæ; squamulæ et nervi flava; illæ apice fuscæ; stigma fulvum, parvum. (Corp. long. lin. $\frac{3}{4}$ —1; alar. lin. $1\frac{1}{4}$ — $1\frac{1}{5}$.)

September; near London. Isle of Wight.

Sp. 80. Pter. formosus. Fem. *Cyaneo-viridis, abdominis discus cupreus, antennæ fuscæ, pedes flavi, femora viridifusca, alæ limpidæ.*

Cyaneo-viridis, nitens: caput supra et antice viride: oculi ocellique rufi: antennæ fuscæ; articulus 1^{us}. fulvus: mesothoracis scutum cupreo-varium: abdominis discus cupreus: pedes lætissime flavi; coxæ cyaneo-virides; femora viridifusca, apice flava; tarsi apice fusci; protarsi pallide fulvi: alæ limpidissimæ; squamulæ flavæ, apice fuscæ; nervi fulvi, stigma minutum. (Corp. long. lin. $1\frac{1}{4}$ — $1\frac{1}{5}$; alar. $1\frac{1}{2}$ — $1\frac{3}{4}$.)

Found near London.

SECTIO XII.—Fem.

Corpus angustum, sublineare: caput thorace multo latius: mandibulæ parvæ, quadratæ, subarcuatæ, dentibus 4 brevissimis armatæ: maxillæ longæ, subarcuatæ; lacinia angustæ, acuminatæ, intus lobatæ; palpi 4-articulati, filiformes graciles; articuli 1^{us}. et 3^{us}. subæquales; 2^{us}. paullo longior; 4^{us}. longifusiformis, 3^o. fere duplo longior, apice acuminatus pilosus: labium breve, obconicum; palpiger furcatus; ligula brevis, lata, ciliata; palpi 3-articulati, crassi, ligula vix longiores; articulus 1^{us}. subcyathiformis; 2^{us}. brevissimus; 3^{us}. fusiformis, acuminatus, 1^o. multo longior: antennæ extrorsum crassiores, corporis dimidio breviores; articuli 5^o. ad 10^{um}. longi, subæquales; clava valde acuminata, articulo 10^o. duplicato longior: thorax longiovatus: prothorax brevissimus: mesothoracis parapsides scuto in unum confusæ: metathorax brevis: abdomen longi-ovatum, valde depressum, thorace paullo longius et latius; segmenta

subæqualia : oviductus occultus : alæ angustæ ; nervus cubitalis radiali multo brevior.

Sp. 81. Pter. fulviventris. Fem. *Viridi-cyaneus, abdomen fulvum, antennæ flavæ, fusco cingulatæ, pedes flavi, alæ limpidæ.*

Viridi-cyaneus, parum nitens : oculi ocellique rufi : antennæ fuscæ ; articuli 1^{us}. et 2^{us}. virides ; 3^{us}. et sequentes ad 6^{um}. flavi ; clava flava : abdomen fulvum : pedes flavi ; coxæ et femora basi viridia ; meso- et metatarsi apice fusci : alæ limpidæ ; squamulæ et nervi flava ; stigma minutum. (Corp. long. lin. $1\frac{1}{6}$; alar. $1\frac{1}{4}$.)

September ; Isle of Wight.

SECTIO XIII.—Mas et Fem.

Mas. — Corpus longum, sublineare : caput thorace vix latius : antennæ filiformes, corporis dimidio longiores ; articuli 5^o. ad 10^{um}. longitudine decrescentes ; clava quasi compressa, apice acuminata, articulo 10^o. angustior et plus duplo longior : thorax longi-ovatus : prothorax brevissimus : mesothoracis parapsidum suturæ conspicuæ : metathorax mediocris : abdomen sublineare, thorace paullo brevius : alæ angustæ ; nervus cubitalis radiali multo brevior.

Fem. — Corpus quam *mari* latius : antennæ extrorsum crassiores, corporis dimidio paullo breviores ; clava valde acuminata, articulo 10^o. plus duplo longior non latior : thorax ovatus : abdomen ovatum, thorace paullo latius non longius, subtus angulatum, non compressum ; segmentum 1^{um}. magnum ; sequentia breviora, subæqualia : oviductus occultus.

Sp. 82. Pter. tricolor. Mas et Fem. *Cyaneo-viridis, abdomen plerunque purpureum aut cupreum, antennæ mari nigræ, fem. fuscæ apice flavæ, pedes fulvo-fusci, femora viridia, alæ subgriseæ fusco sæpe maculatæ.*

Mas. — Cyaneo-viridis : oculi ocellique rufi : antennæ nigræ ; articulus 1^{us}. rufus ; 2^{us}. viridis : abdomen obscure purpureum, nitens, apice et subtus pilis albis parce hirtum ; segmentum 1^{um}. basi fere ad apicem læte viride : pedes fusci ; coxæ et femora viridia ; genua, tibiæ apice et tarsi flava, hi apice fulvi ; protibiæ et protarsi fulva : alæ subgriseæ ; proalæ sub stigma obsolete fuscæ ; squamulæ et nervi fusca, illæ antice virides ; stigma mediocre ; metalarum nervi pallide flavi.

Fem.—*Viridis*: antennæ obscure fuscae; articulus 1^{us}. fulvus, apice fuscus; clava flava: abdominis segmentum 1^{um}. læte cupreum: tarsi apice fusci: proalæ sub stigma obscure fuscae; stigma concolor. (Corp. long. lin. 1—1 $\frac{2}{3}$; alar. lin. 1 $\frac{1}{4}$ —2 $\frac{1}{2}$.)

Var. β. Fem.—*Cyaneo-viridis*: antennæ articulo 1^o. pallide fulvo, subtus et basi flavo: abdominis segmentum 1^{um}. viridi varium; sequentia nigro-cuprea: femora fusca, tibiæ pallide fuscae.

Var. γ. Fem. Var. β. similis: antennæ pallide fuscae: tibiæ fulvæ, apice flavæ.

Var. δ. Fem. Var. β. similis: antennæ apice fulvæ.

Var. ε. Fem. Var. β. similis: abdominis segmentum 1^{um}. viride.

Var. ζ. Fem. Var. β. similis: abdominis segmentum 1^{um}. cupreum.

Var. η. Fem. Var. β. similis: alarum maculæ vix conspicuæ.

Found by the Rev. G. T. Rudd, near Darlington. September; near the sea-shore; Isle of Wight, Dorsetshire, South Devonshire.

SECTIO XIV.—*Fem.*

Corpus mediocre: caput thorace paullo latius: antennæ clavatæ, crassæ, corporis dimidio longiores; articuli 5^o. ad 10^{um}. longitudine decrescentes latitudine increscentes; clava articulo 10^o. paullo latior vix duplo longior: thorax ovatus: prothorax brevissimus: mesothoracis parapsidum suturæ vix conspicuæ: metathorax brevis: abdomen ovatum, subtus angulatum, apice elevatum acuminatum, non compressum, thorace paullo longius et latius; segmentum 1^{um}. magnum; sequentia breviora: oviductus occultus: alæ mediocres; nervus cubitalis radiali vix brevior.

Sp. 83. *Pter. maculipennis. Fem. Viridis, abdomen cupreum, antennæ nigræ, pedes flavi, femora fusca, proalæ fusco maculatæ.*

Viridis, parum nitens: oculi ocellique rufi: antennæ nigræ; articulus 1^{us}. flavus; 2^{us}. 3^{us}. et 4^{us}. fusci: abdomen cupreum; segmentum 1^{um}. læte cupreo-æneum: oviductus rufus: pedes flavi; coxæ virides; femora fusca; meso- et metatarsi pallide flavi, apice fusci: alæ sublimpidæ; proalæ sub nervis ulnari et cubitali fusco-maculatæ; squamulæ fuscae; nervi fulvi; stigma minutum. (Corp. long. lin. 1—1 $\frac{1}{4}$; alar. lin. 1 $\frac{1}{4}$ —1 $\frac{1}{2}$.)

Var. β. — Abdomen purpureo-cupreum; segmentum 1^{um}. læte cupreo-viride: femora flava.

Var. γ *Var. β* similis: caput et thorax viridi-ænea.

July, August; grass in fields; near London.

SECTIO XV.—Fem.

Corpus breve, latum: caput magnum, thorace latius: antennæ clavatæ, compactæ, corporis dimidio breviores; articuli 5^o. ad 10^{um}. latitudine increscentes longitudine decrescentes; clava articulo 10^o. latior et duplo longior: thorax brevi-ovatus: prothorax brevissimus: mesothoracis parapsides scuto in unum confusæ: metathorax mediocris: abdomen brevi-ovatum, thoracis longitudine et latitudine, supra planum, subtus convexum angulatum, apice abrupte angustius elevatum acutum; segmentum 1^{um}. ejus dimidium occupans; sequentia brevissima; 6^{um}. et 7^{um}. paullo longiora: oviductus occultus: alæ mediocres; nervus cubitalis radiali multo brevior.

Sp. 84. Pter. rufiventris. Fem. *Æneo-viridis*, antennæ fuscæ, abdomen plerunque rufum, pedes flavi, alæ sæpe fusco variæ.

Æneo-viridis, parum nitens: caput viride: oculi ocellique rufi: antennæ fuscæ; articuli 1^o. ad 4^{um}. fulvi: mesothoracis scutellum æneum: abdomen rufum, medio ad apicem viridi-cupreum; segmentum 1^{um}. basi utrinque viridi maculatum: pedes flavi; coxæ virides; tarsi apice fusci: proalæ sublimpidæ, in cujusque disco maculæ 2 fuscæ, una sub nervo ulnari, altera ad apicem propior minor vix conspicua; squamulæ et nervi fulva, illæ apice fuscæ; stigma minutum; metalæ limpidae, nervi flavi. (Corp. long. lin. $1\frac{1}{8}$ — $1\frac{1}{4}$; alar. $1\frac{1}{4}$ — $1\frac{1}{2}$.)

Var. β.—Thorax viridis: metafemora supra fusca: alarum maculæ vix conspicuæ.

June and October; on laurels; near London.

Sp. 85. Pter. transiens. Fem. *Viridi-æneus*, abdomen basi subfulvum, antennæ nigræ, pedes flavi, alæ limpidae.

Viridi-æneus, parum nitens: caput viride: oculi ocellique obscure rufi: antennæ nigræ; articuli 1^{us}. et 2^{us}. fulvi: metathorax viridis: abdomen viride, basi viridi-fulvum micans; discus obscure cupreus: pedes flavi; coxæ virides; tarsi pallide flavi, apice

fusci; protarsi obscuriores: proalæ sublimpidæ; squamulæ et nervi fulva, illæ apice fuscæ; stigma fuscum, parvum; metalæ limpida, nervi flavi. (Corp. long. lin. 1; alar. lin. 1¼.)

Found near London.

SECTIO XVI.—Fem.

Corpus breve, latum: caput thorace paullo latius: antennæ clavatæ, compactæ, corporis dimidio breviores; articuli 5^o. ad 10^{um}. brevissimi, gradatim latiores et breviores; clava longi-ovata, maxima, articulo 10^o. multo latior et quadruplo longior: thorax subrotundus, paullo longior quam latus; prothorax brevissimus; mesothoracis parapsidum suturæ vix conspicuæ; metathorax parvus: abdomen brevi-ovatum, thorace vix longius; supra planum, subtus angulatum, apice abrupte angustius elevatum acuminatum; segmentum 1^{um}. magnum; sequentia brevissima: oviductus occultus: alæ mediocres; nervus cubitalis radiali vix brevior.

Sp. 86. Pter. grandiclava. Fem. *Viridi-æneus*, abdomen fere nigrum, antennæ nigro-fuscæ, pedes fulvi, alæ fulvo-limpidæ.

Æneus: caput viride, inter oculos æneo-viride: oculi ocellique obscure rufi: antennæ nigro-fuscæ; articulus 1^{us}. pallide fulvus; 2^{us}. fuscus: pro- et metathorax æneo-virides: abdomen supra purpureo-viride, subnigrum; segmentum 1^{um}. cupreo-viride, micans: pedes pallide fulvi; coxæ virides; meso- et metatarsi flavi, apice fusci: alæ fulvo-limpidæ; squamulæ et nervi fulva, hi basi flavi, illæ apice fuscæ; stigma parvum. (Corp. long. lin. 1; alar. lin. 1¼.)

Found near London.

SECTIO XVII.—Fem.

Corpus breve, latum: caput magnum, thorace latius: antennæ clavatæ, corporis dimidio vix breviores; articuli 5^o. ad 10^{um}. curvantes et latescentes; clava articulo 10^o. fere duplo longior paullo latior: thorax brevi-ovatus: prothorax brevissimus: mesothoracis parapsidum suturæ vix conspicuæ: metathorax mediocris: abdomen brevi-ovatum, supra planum, subtus convexum, non angulatum, thorace paullo latius vix brevius; segmentum 1^{um}. magnum; reliqua brevissima: oviductus occultus: alæ angustæ; nervus cubitalis radiali paullo brevior.

Sp. 87. Pter. congruus. Fem. *Æneo-viridis, abdominis discus purpureus, antennæ nigro-fuscæ, pedes fulvi, alæ sublimpidæ.*

Æneo-viridis, parum nitens : caput viride : oculi ocellique obscure rufi : antennæ nigro-fuscæ ; articulus 1^{us}. fulvus, apice fuscus ; 2^{us}. fuscus : abdomen æneum, nitens ; discus obscure purpureus ; segmentum 1^{um}. læte viridi-cupreum : pedes fulvi ; coxæ virides ; femora basi fusca ; tarsi flavi, apice fusci ; protarsi fulvi : alæ sublimpidæ ; squamulæ viridi-fuscæ ; nervi flavi ; stigma minutum ; metalkæ limpidæ. (Corp. long. lin. $\frac{5}{4}$ —1 ; alar lin. 1—1 $\frac{1}{4}$.)

Far. β.—Abdomen viridi-æneum ; discus obscure cupreus ; segmentum 1^{um}. cupreo varium.

Var. γ.—Abdomen viride ; discus obscure cupreus : femora omnino fulva.

August ; near London.

SECTIO XVIII.—Mas et Fem.

Mas.—Corpus breve, contractum : caput thorace vix latius : antennæ clavatæ, capitis thoracisque longitudine ; articuli 5^o. ad 10^{um}. brevissimi, latitudine increscentes ; clava maxima, longi-ovata, articulo 10^o. multo latior et plus duplo longior : thorax ovatus, parum convexus : prothorax supra vix conspicuus : mesothoracis parapsides scuto in unum confusæ : metathorax mediocris : abdomen rotundum, thorace latius ; segmentum 1^{um}. magnum ; sequentia brevia : alæ perangustæ, hirtissimæ ; nervus cubitalis radiali vix brevior.

Fem.—Caput thoracis latitudine : antennæ capite thoraceque paullo breviores ; clava ovata, mediocris, articulo 10^o. latior et duplo longior : abdomen brevi-ovatum, thorace paullo latius, supra planum, subtus angulatum, non compressum.

Sp. 88. Pter. fucicola. Mas et Fem. *Nigro-æneus, antennæ nigro-piceæ, pedes fulvi aut picei, alæ subfuscæ.*

Mas.—Nigro-æneus, obscurus : oculi ocellique obscure rufi : antennæ nigro-piceæ ; articuli 1^{us}. basi 2^{us}. que apice fulvi : abdomen nitens : pedes fulvi ; coxæ nigro-æneæ ; tarsi apice fusci : alæ subfuscæ ; squamulæ et nervi fusca ; stigma minutum. (Corp. long. lin. $\frac{1}{4}$; alar. $\frac{1}{3}$.)

Fem.—Antennæ articulis 1^o. et 2^o. nigro-æneis: femora et tibiæ fulvo-picea: alæ nonnunquam ademptæ. (Corp. long. lin. $\frac{2}{3}$; alar. 1.)

September; on sea-weed, near Torquay, in South Devonshire.

SECTIO XIX.—Fem.

Corpus mediocre: caput thorace latius: antennæ graciles, extrorsum crassiores, corporis dimidio longiores; articuli 5^o. ad 10^{um}. vix curtantes; clava lanceolata, articulo 10^o. duplo longior vix latior: thorax ovatus: prothorax brevissimus: mesothoracis parapsidum suturæ vix conspicuæ: metathorax parvus: abdomen longi-ovatum, supra planum, subtus valde angulatum, apice elevatum lanceolatum, thorace longius; segmentum 1^{um}. magnum; sequentia breviora: oviductus occultus: alæ breves, angustæ; nervus cubitalis radiali brevior.

Sp. 89. Pter. nubilipennis. Fem. *Viridi-cyaneus, abdomen rufum, antennæ nigræ apice fuscæ, pedes rufi fusco cingulati, proalæ fusco nebulosæ.*

Cyaneus: os fuscum: oculi ocellique obscure rufi; antennæ nigræ, apice fuscæ; articulus 1^{us}. flavus; 2^{us}. 3^{us}. et 4^{us}. fulvi: gula fulva: abdomen rufum, apice æneo-fuscum; segmentum 1^{um}. basi utrinque viride: pedes rufi; coxæ cyaneæ; femora et metatibiæ supra apices versus fusca; tarsi flavi, apice fusci: alæ sublimpidæ; proalæ fusco nebulosæ; squamulæ cyaneo-fulvæ; nervi fulvi; stigma parvum. (Corp. long. lin. $\frac{5}{4}$; alar. lin. $\frac{5}{4}$.)

Var. β.—Caput et thorax viridi-cyanea: femora et tibiæ omnino rufa.

Found near London.

SECTIO XX.—Mas et Fem.

Mas.—Corpus breve, sublineare: caput thorace latius: antennæ graciles, subfiliformes, corporis dimidio longiores; articuli 5^o. ad 10^{um}. subæquales; clava lanceolata, articulo 10^o. plus duplo longior paullo latior: thorax ovatus: prothorax brevissimus: mesothoracis parapsidum suturæ conspicuæ: metathorax mediocris: abdomen subrotundum, thorace latius et brevius, apice truncatum; segmentum 1^{um}. magnum; sequentia breviora: alæ parvæ aut minimæ.

Fem.—Longior : caput thorace paullo latius : antennæ subclavatæ ; corporis dimidii longitudine ; clava articulo 10^o. latior : abdomen ovatum, subconvexum, thorace paullo longius, subtus angulatum, apice elevatum acuminatum : oviductus occultus.

Sp. 90. Pter. apicalis. Fem. *Viridis æneo et cyaneo-varius, antennæ fuscæ, pedes fulvi, alæ fulvo-limpidæ.*

Æneo-viridis : caput viride : oculi ocellique rufi : antennæ obscure fuscæ, apice pallidiores ; articulus 1^{us}. niger, basi fulvus : abdominis segmentum 2^{um}. sæpe magnum : pedes fulvi ; coxæ virides ; meso- et metatarsi flavi, apice fulvi : alæ fulvo-limpidæ, parvæ ; squamulæ et nervi flava, illæ apice fuscæ ; stigma parvum. (Corp. long. lin. $\frac{1}{3}$ — $\frac{3}{4}$; alar. lin. $\frac{1}{2}$ — $1\frac{1}{4}$.)

Var. β.—Antennæ fuscæ ; articulus 1^{us}. basi fulvus.

Var. γ.—Viridis.

Var. δ, Var. γ. similis : antennæ pallide fuscæ : squamulæ apice fulvæ.

Var. ε.—Viridi-æneus ; caput æneo-viride : antennæ fuscæ ; articulus 1^{us}. obscurior, basi fulvus : abdomen basi cupreo-æneum.

Var. ζ.—Abdomen basi cyaneo-viride.

Var. η.—Cyaneo-viride.

Var. θ.—Caput cyaneo-viride : abdominis discus cyaneus.

Var. ι.—Viridi-æneus : abdomen viride.

Var. κ.—Antennæ fulvæ ; articuli 1^o. ad 4^{um}. fuscæ.

Var. λ.—Æneo-viridis : mesothorax æneus : abdomen basi viride.

May to October ; on grass in fields ; near London. Isle of Wight.

Sp. 91. Pter. hemipterus. Mas et Fem. *Viridis æneo et cyaneo-varius, antennæ fuscæ aut fulvæ, pedes fulvi aut flavi, alæ vix ullæ.*

Mas.—Viridis, nitens : oculi ocellique rufi : antennæ fuscæ ; articuli 1^o. ad 4^{um}. fulvi : sexualia fulva : pedes pallide fulvi ; coxæ virides ; meso- et metatarsi flavi, apice fuscæ : alæ minimæ, subfulvæ ; squamulæ et nervi fulva.

Fem.—Antennæ obscure fuscæ, apice pallidiores ; articulus 1^{us}. nigro-fuscus, basi fulvus. (Corp. long. lin. $\frac{1}{3}$ — $\frac{1}{2}$.)

Var. β.—*Mas*, antennæ fulvæ ; articulo 1^o. ad 4^{um}. flavi : pedes flavi ; meso- et metatarsi pallidiores.

Var. γ.—*Mas*, caput et abdomen cyaneo-viridia.

Var. δ.—*Mas*, viridi-æneus : abdomen basi et caput viridia.

Var. ε.—*Mas*, abdomen cyaneum.

Var. ζ.—*Mas*, æneo-viridis : abdomen basi cupreo varium.

Var. η.—*Mas*, æneus : caput æneo-viride : abdomen cupreo-æneum ; segmentum 1^{um}. cupreo-viride.

Var. θ.—*Mas*, cyaneus : antennæ fuscæ ; articuli 1^{us}. fulvus, apice fuscus.

Var. ι.—*Mas*, antennæ fuscæ ; articulus 1^{us}. basi fulvus.

Var. κ.—*Fem.* æneo-viridis.

Var. λ.—*Fem.* antennæ articulo 1^o. prorsus nigro-fusco.

Var. μ.—*Fem.* cyaneus : antennæ fuscæ ; articuli 1^o. ad 4^{um}. obscuriores : profemora supra pallide fusca.

July to September ; on grass in fields ; near London.

SECTIO XXI.—*Mas* et *Fem.*

Mas.—Corpus mediocre : caput thorace paullo latius : antennæ extrorsum crassiores, corporis dimidio vix longiores ; articuli 5^o. ad 10^{um}. longitudine decrescentes ; clava longi-ovata, articulo 10^o. latior et plus duplo longior : thorax crassus, brevi-ovatus : prothorax brevissimus : mesothoracis parapsidum suturæ vix conspicuæ : metathorax brevis : abdomen planum, sublineare, thorace brevius et angustius ; segmentum 1^{um}. magnum ; sequentia brevia : sexualia exerta : alæ mediocres ; nervus cubitalis radiali brevior.

Fem.—Antennæ clavatæ, corporis dimidii vix longitudine ; articuli 5^o. ad 10^{um}. latitudine crescentes ; clava ovata, articulo 10^o. duplo longior et paullo latior : metathorax brevissimus : abdomen ovatum aut longi-ovatum, thorace angustius, supra planum, subtus angulatum, apice acuminatum elevatum : oviductus plerunque occultus.

Sp. 92. *Pter. cingulipes.* *Mas* et *Fem.* *Viridis cyaneo varius, abdominis discus cupreus, antennæ fusca, pedes flavi, femora viridia, alæ albo-limpidæ.*

Mas.—*Viridis* : oculi ocellique rufi : antennæ fuscæ ; articulus 1^{us}. fulvus ; 2^{us}. subtus pallidior : abdomen cyaneo-viride, nitens ; discus cupreo-æneus : sexualia fulva : pedes flavi ; coxæ et femora viridia ; meso- et metatarsi pallide flavi, apice fulvi : alæ albolimpidæ ; squamulæ fulvæ, antice virides ; nervi flavi ; stigma minutum.

Fem.—Parum nitens : antennæ nigro-fuscæ ; articulus 1^{us}. nigro-viridis, basi fulvus : abdomen ovatum, læte cyaneo-viride, thorace paullo longius ; discus obscure purpureus ; segmentum 1^{um}. cupreo-varium ; 5^{um}. et 6^{um}. cyanea : oviductus fulvus : pedes fulvi ; coxæ et femora viridia ; meso- et metapedum tibiæ et tarsi flava, fusco hi terminati illæ cingulatæ. (Corp. long. lin. 1—1 $\frac{1}{4}$; alar. lin. 1 $\frac{1}{4}$ —1 $\frac{1}{2}$.)

Var. β.—*Mas*, antennæ articulo 1^o. fulvo apice viridi, 3^o. fusco-viridi.

Var. γ.—*Mas*, cyaneus : abdominis discus cupreus ; segmentum 1^{um}. viridi varium.

Var. δ.—*Mas*, meso- et metatibiæ fusco cingulatæ ; protibiæ et protarsi fulva.

Var. ε.—*Mas*, caput et thorax viridia.

Var. ζ.—*Mas*, antennæ articulis 1^o. et 2^o. fusco-viridibus.

Var. η.—*Fem.* cyaneo-viridis : abdomen cyaneum ; discus obscure purpureus ; segmentum 1^{um}. cupreo varium.

Var. θ.—*Fem.* cyaneus : abdominis discus obscure purpureus.

Var. ι.—*Fem.* cyaneo-viridis : abdomen purpureo-cyaneum ; discus obscure purpureus ; segmentum 1^{um}. cyaneo-viride.

Var. κ.—*Fem.* cyaneo-viridis : abdomen cyaneum ; discus obscure cupreus.

September ; Isle of Wight.

Sp. 93. *Pter. albipennis.* *Fem. Præcedente gracilior, abdomen longius et angustius.*

Læte viridis : oculi ocellique rufi : antennæ obscure fuscæ ; articulus 1^{us}. nigro-viridis, basi fulvus : abdomen longi-ovatum, cyaneo-viride ; discus æneus ; segmentum 1^{um}. æneo-varium, 7^{um}. viridi-æneum : pedes fulvi ; coxæ et femora viridia ; meso- et metapedum tibiæ apice et basi tarsique flava, hi apice fusci : alæ albo-limpidæ ; squamulæ fulvæ, antice virides ; nervi flavi ; stigma minutum. (Corp. long. lin. $\frac{5}{4}$ —1 $\frac{1}{2}$; alar. lin. 1—1 $\frac{3}{4}$.)

Var. β.—Abdomen cyaneum ; segmentum 1^{um}. cupreo-varium ; 7^{um}. viridi-æneum.

Var. γ.—Viridi-cyaneus : abdomen cyaneum, basi cyaneo-viride : meso- et metatibiæ fusco-cingulatæ.

Var. δ, Var. β, similis : meso- et metatibiæ fusco cingulatæ.

September ; Isle of Wight.

Sp. 94. Pter. plenus. Mas et Fem. *P. cingulipedis statura, antennæ graciliores, alæ ampliores.*

Mas.—Viridi-cyaneus : oculi ocellique rufi : antennæ fulvæ ; articuli 1^{us}. et 2^{us}. nigro-fusci, ille basi flavus : pedes læte flavi ; coxæ et femora viridia ; profemora apice flava ; trochanteres et protarsi fulvi ; meso-et metatarsi apice fusci : alæ albo-limpidæ ; squamulæ et nervi flava, illæ antice viridi-fuscæ ; stigma minutum.

Fem.—Viridis : antennæ fuscæ ; articulus 1^{us}. nigro-viridis, basi fulvus : abdomen æneo-viride ; segmenta 2^o. ad 4^{um}. apice viridi-cyanea : femora apice flava. (Corp. long. lin. $\frac{3}{4}$ —1 $\frac{1}{4}$; alar. lin. 1—1 $\frac{1}{2}$.)

September ; near Linton, North Devonshire.

Sp. 95. Pter. solutus. Fem. *Æneo-viridis, antennæ fuscæ, pedes flavi femoribus viridibus tibiis fusco cingulatis, alæ limpidæ.*

Æneo-viridis : oculi ocellique rufi : antennæ fuscæ ; articuli 1^{us}. et 2^{us}. obscuriores, ille basi fulvus : thoracis discus æneus : abdomen læte viride, ovatum, thorace paullo longius et angustius ; segmentum 1^{um}. cupreo-varium ; sequentia basi et medio cuprea : pedes flavi ; coxæ et femora viridia ; tibiæ fusco cingulatæ ; protarsi fulvi ; meso- et metatarsi apice fusci : alæ limpidæ ; squamulæ et nervi fulva, illæ apice fuscæ ; stigma pallide fuscum, minutum. (Corp. long. lin. 1 $\frac{1}{4}$; alar. lin. 1 $\frac{1}{2}$.)

Var. β.—Antennæ obscure fuscæ ; articuli 1^{us}. et 2^{us}. nigro-virides.

Var. γ.—Caput et thorax viridia, hujus discus viridi-æneus : tibiæ fulvo cingulatæ.

September ; near the Land's End, Cornwall.

Sp. 96. Pter. berylli. Fem. *Viridis, abdominis discus cupreus, antennæ nigræ, pedes flavi, femora viridia, alæ limpidæ.*

Sature viridis : oculi ocellique rufi : antennæ nigræ, corporis dimidii longitudine ; articulus 1^{us}. nigro-fuscus, basi fulvus : abdomen longi-ovatum, nitens, thorace multo longius et angustius, apice attenuatum ; segmentum 1^{um}. apice basique cupreum ; 2^{um}. 3^{um}. et 4^{um}. cuprea, basi utrinque viridia ; 5^{um}. et 6^{um}. apice 7^{um}. que basi cuprea : oviductus subexertus : pedes flavi ; coxæ et femora viridia, hæ apice flavæ ; meso- et metapedum tibiæ fulvo cin-

gulatæ, tarsi apice fusci; protarsi fulvi: alæ limpidæ; squamulæ virides; nervi fulvi; stigma fuscum, parvum. (Corp. long. lin. $1\frac{1}{2}$; alar. lin. 2.)

August; near London.

Sp. 97. Pter. thoracicus. Fem. *Cupreo-æneus*, antennæ piceæ, pedes fulvi, femora æneo-viridia, tibiæ fusco cingulatæ, alæ limpidæ.

Cupreo-æneus: caput viridi-æneum, inter oculos cupreo-æneum: oculi ocellique rufi: antennæ nigro-piceæ, corporis dimidio vix breviores; articulus 1^{us}. basi fulvus: thorax brevis, latus, crassus: abdomen longi-ovatum, nitens, thorace longius et multo angustius, apice non attenuatum; segmentum 1^{um}. læte viride, cupreo-varium, apice obscure cupreum; 2^{um}. 3^{um}. et 4^{um}. obscure cuprea, basi utrinque æneo-viridia; sequentia æneo-viridia: pedes fulvi; coxæ et femora æneo-viridia; tibiæ nigro-fuscæ, apice basique fulvæ; meso- et metatarsi flavi, apice fusci: alæ limpidæ; squamulæ æneo-fuscæ; nervi pallide fusci; stigma obscurius, mediocre. (Corp. long. lin. $1\frac{1}{4}$; alar. lin. 2.)

Found near London.

Sp. 98. Pter. cupreus. Fem. *Cupreus*, abdomen basi viride, antennæ nigræ, pedes fulvi, femora ænea, tibiæ fusco cingulatæ, alæ limpidæ.

Cupreus: caput æneo-cupreum: oculi ocellique rufi: antennæ nigræ, corporis dimidii longitudine; articulus 1^{us}. nigro-æneus, basi fulvus: thorax crassus: abdomen ovatum, nitens, thorace paullo longius vix angustius non attenuatum; segmentum 1^{um}. læte viride cupreo varium: oviductus occultus: pedes fulvi; coxæ et femora ænea; meso- et metapedum tibiæ fuscæ apice basique flavæ, tarsi flavi apice fusci: alæ limpidæ; squamulæ et nervi fulva, illæ apice virides; stigma pallide fuscum, parvum; metalarum nervi flavi. (Corp. long. lin. $1\frac{1}{4}$; alar. lin. 2.)

Var. β .—Abdominis segmentum 1^{um}. læte cupreum.

September; Isle of Wight.

SECTIO XXII.—Fem.

Sect. XXI. similis: clava longi-ovata, articulo 10°. plus duplo longior.

Sp. 99. Pter. mesochlorus. Fem. *Viridis æneo et cupreo varius, antennæ fuscæ, pedes flavi, femora fusca, alæ limpidæ.*

Viridis, obscurus: oculi ocellique rufi: antennæ pallide fuscæ, corporis dimidio breviores; articulus 1^{us}. fulvus, apice fuscus; clava fulva: abdomen cupreo-viride, thorace multo longius et angustius, apice attenuatum; segmentum 1^{um}. læte viride micans: pedes flavi; coxæ virides; femora fusca, apice flava; tibiæ fulvo cingulatæ; protarsi fulvi; meso- et metatarsi apice fusci: alæ limpidæ; squamulæ et nervi fulva, illæ apice obscuriores; stigma fuscum, minutum. (Corp. long. lin. 1 $\frac{1}{4}$; alar. lin. 1 $\frac{3}{4}$.)

Var. β.—Viridi-æneus: abdomen segmentum 2^o. ad apicem viridi-cupreum: alæ minime fulvo tinctæ.

Var. γ, Var. β, similis: thoracis dorsum cupreo-æneum: abdominis segmentum 1^{um}. cupreo-varium.

Var. δ.—Abdominis segmenta 2^o. ad 5^{um}. purpurea, subtus cuprea; 6^{um}. et 7^{um}. cupreo-viridia.

September; Isle of Wight, Dorsetshire, South Devonshire.

SECTIO XXIII.—Mas et Fem.

Corpus mediocre, *fem.* latius: caput thorace latius: mandibulæ subquadratae, arcuatae, similes, dentibus 4 acutis armatae; dens 1^{us}. magnus, arcuatus; 2^{us}. paullo minor; 3^{us}. et 4^{us}. multo minores, subæquales: maxillæ longæ, subarcuatae; laciniae angustæ, acuminatae, intus lobatae, extus pilosæ; palpi 4-articulati, graciles, filiformes; articuli 1^{us}. et 3^{us}. subæquales; 2^{us}. paullo longior; 4^{us}. longi-fusififormis, 3^o. fere duplo longior, apice pilosus: labium longi-ovatum, angustum; palpiger furcatus; ligula brevis, lata, ciliata; palpi 3-articulati, crassi, ligula vix longiores; articulus 1^{us}. subcyathiformis; 2^{us}. brevissimus; 3^{us}. fusiformis, acuminatus, 1^o. multo longior: *mari* antennæ filiformes, corporis dimidio paullo longiores; articuli 5^o. ad 10^{um}. longitudine sensim decrescentes; clava linearis, acuminata, articulo 10^o. duplo longior: *fem.* antennæ crassiores, subfiliformes; clava longi-ovata; articulo 10^o. duplo fere longior vix latior: thorax *mari* longi-ovatus, *fem.* ovatus; prothorax brevissimus; mesothoracis parapsidum suturæ vix conspicuæ; metathorax bene determinatus: *mari* abdomen sublineare, depressum, thorace angustius vix longius, subtus carinatum; segmentum 1^{um}. magnum; sequentia breviora, subæqualia; sexualia exerta: *fem.* abdomen ovatum, vix acuminatum, thorace paullo brevius,

supra planum, non angulatum nec compressum; segmenta 6^{um}. et 7^{um}. quam *mari* paullo longiora; oviductus subexertus: alæ mediocres; nervus cubitalis radiali multo brevior.

Sp. 100. Pter. puparum. Mas. *Viridis, antennæ fulvæ, pedes flavi*. Fem. *Æneo-viridis, antennæ nigræ, pedes fusci, femora viridia*.

- *Goed. Ins. I. 178. tab. 77; Mer. Ins. Europ. tab. 44, 52; Frisch. Ins. IV. 10. tab. 1. fig. 5. 1, 2; Roes. Ins. II. 18. tab. 3. fig. 4, 5, a. b.; Réaum. Ins. VI. tab. 30. fig. 13, 14, 15; De Geer. Ins. I. tab. 30. fig. 8; Onom. Hist. Nat. IV. 505; Müller. Syst. Nat. Linn. V. 2. 860. 66.*
- Cynips viridi sericeus, &c. *Geoff. Ins. II. 305. 24.*
- Ichneumon Antiopæ . . . *Scop. Ent. Carn. 765.*
- Ichneumon puparum . . . *Linn. Syst. Nat. II. 939. 66; Faun. Suec. 1636; Fabr.^b Sp. Ins. I. 438. 113; Mant. Ins. I. 270. 135; Syst. Ent. 342. 88; Ent. Syst. II. 186. 221; Gmel. Syst. Nat. V. 2713. 66; Schrank. Enum. Ins. Austr. 758; Vill. Ent. Lin. III. 206. 234; Müll. Zool. Dan. Prodr. 159. 1855; Friesli. Verz. 50. 967.*
- Diplolepis puparum . . . *Fabr. Syst. Piezat. 151. 15.*
- Cynips puparum . . . *Fourc. Ent. Par. II. 387. 24; Encycl. Méthod. V. 782. 12.*
- Pteromalus puparum . . . *Swed. Act. Holm. an. 1795; Nees ab Esenb. Ich. affn. Monogr. II. 107. 21.*

Mas.—Lætissime viridis, nitens: labium et maxillæ viridia, illum quasi squameum; laciniaë fuscaë; palpi, palpiger, labium et maxillarum lobi pallide flava: mandibulæ flavæ, apice obscuriores: oculi ocellique rufi: antennæ fulvæ; articuli 2^o. ad 6^{um}. intus necnon sequentes apice basique fusci: abdomen viridi-

^b This author's description was probably taken from *Pter. muscarum*.

aureum ; discus cupreo micans : sexualia fulva : pedes læte flavi ; coxæ virides ; meso- et metatarsi pallidiores, apice fulvi : alæ limpidissimæ ; squamulæ et nervi flava, illæ apice fuscæ ; stigma fulvum, parvum.

Fem.—Æneo-viridis, parum nitens : palpi fusci, basi viridi-fusci : antennæ nigræ ; articulus 1^{us}. fulvus, apice nigro-fuscus : abdomen viridi-æneum ; discus obscure cupreus ; segmentum 1^{um}. læte viride, cupreo varium : oviductus rufus ; vaginæ nigræ : pedes fusci ; coxæ æneo-virides ; femora viridi fusca ; genua, tibiæ apice tarsique flava, hi apice fusci ; protibiæ fusco-fulvæ ; protarsi fulvi : alarum squamulæ et nervi fulva, illæ apice fuscæ ; stigma pallide fuscum. (Corp. long. lin. $\frac{3}{4}$ — $1\frac{1}{3}$; alar. lin. $1\frac{1}{4}$ —2.)

Var. β.—*Mas*, thorax æneo varius.

Var. γ.—*Mas*, antennæ fulvæ ; articulus 2^{us}. intus fuscus ; sequentes apice basique minime fuscæ.

Var. δ.—*Mas*, thorax supra cyaneo-viridis.

Var. ε.—*Mas*, antennæ fusco-fulvæ ; articulus 1^{us}. flavus, apice fulvus.

Var. ζ.—*Fem.* caput viride : abdomen æneum ; segmenta basi viridia.

Var. η.—*Fem.* *Var β*, similis : thorax viridis.

Var. θ.—*Fem.* tibiæ flavæ ; meso- et metatibiæ fulvo fasciatæ.

Var. κ. *Fem.* abdomen æneo-viride, basi ad medium cupreum.

Var. ι.—*Fem.* abdomen æneum ; segmentum 1^{um}. viride, basi cupreum.

Var. λ.—*Fem.* caput et metathorax viridia.

Var. μ.—*Fem.* antennæ articulo 1^o. fusco, basi fulvo ; meso- et metatarsi basi flavi.

Described from specimens found near London, or sent to me from Paris, by the Comte de Castelleau. It is very abundant in Europe during the summer, infesting butterflies (*Vanessa* and *Pontia*) while in the chrysalis state. The fly appears in three weeks after the egg is laid. The relative number of males and females in a chrysalis is very variable. I once had a bright gold-coloured chrysalis of *Vanessa Polychloros*. In a few days its metallic hue changed to a dead yellow, that became gradually darker. I then opened it and found it full of pupæ. Their colour was pale, but soon turned to black, and then to a metallic green. They employed their legs, particularly the fore-pair, to divest themselves of their covering. Twenty males first came to maturity in the morning, and twenty more, and one female, in the afternoon of the same day. On the following day, thirty-nine males and four-

teen females appeared in the morning, three males and eight females in the afternoon. Two females appeared on the third day, and one on the fourth, making in the whole eighty-two males and twenty-six females. I have seen thirty females and four males emerge from three holes in the middle of a chrysalis of *Pontia rapæ*, and thirty-six females and four males from another chrysalis of the same butterfly; these last were much smaller than the former. Degeer mentions an instance when one chrysalis produced only males, and another only females.

SECTIO XXIV.—Mas. et Fem.

Mas.—Corpus mediocre: caput thorace vix latius: mandibulæ quadratæ, subarcuatæ, similes, dentibus 4 minutis armatæ; 1^{us}. acutus; 2^{us}. et 3^{us}. paullo breviores et obtusiores; 4^{us}. latus, obtusus: maxillæ longæ, subarcuatæ; lacinia angustæ, acuminatæ, intus lobatæ, extus pilosæ; palpi 4-articulati, graciles, filiformes; articuli 1^{us}. et 3^{us}. subæquales; 2^{us}. paullo longior; 4^{us}. longi-fusiformis, 2^o. fere duplo longior, apice acuminatus pilosus: labium longi-ovatum, angustum; palpiger furcatus; ligula brevis, lata, ciliata; palpi 3-articulati, extrorsum crassiores, ligula paullo longiores; articulus 1^{us}. mediocris, 2^{us}. brevissimus, 3^{us}. fusiformis, 1^o. longior: antennæ filiformes, corporis dimidio paullo longiores; articuli 5^o. ad 10^{um}. longitudine decrescentes; clava linearis, acuminata, articulo 10^o. duplicato longior: thorax longi-ovatus, convexus: prothorax brevissimus: mesothoracis parapsidum suturæ vix conspicuæ: metathorax bene determinatus: abdomen sublineare, depressum, subtus carinatum, thoracis longitudine et latitudine, basi angustius; segmentum 1^{um}. magnum; sequentia breviora, subæqualia: sexualia occulta: alæ mediocres; nervus cubitalis radiali brevior.

Fem.—Mari latior: antennæ crassiores, subfiliformes; clava longi-ovata, articulo 10^o. duplo fere longior vix latior: abdomen rotundum, supra planum, subtus angulatum, thorace multo brevius: oviductus occultus.

Sp. 101. Pter. omnivorus. Mas. *Viridis, abdomen flavo-maculatum, antennæ fulvo-fuscæ, pedes flavi.* Fem. *Viridi-æneus, antennæ nigro-fuscæ, pedes fulvi, femora fusca.*

Mas. — Læte viridis, nitens: os fulvum: oculi ocellique rufi: antennæ fulvo-fuscæ; articulus 1^{us}. fulvus, apice obscurior: thorax

æneo-viridis: abdomen basin versus flavo maculatum; discus cupreus: pedes læte flavi; coxæ virides; tarsi apice fulvi; ungues et pulvilli fusci: alæ limpidæ; squamulæ et nervi flava, illæ apice fulvæ; stigma minutum.

Fem.—Viridi-æneus, parum nitens: oculi ocellique obscure rufi: antennæ nigro-fuscæ; articulus 1^{us}. fulvus, apice fuscus: metathorax æneo-viridis: abdomen æneo-cupreum; segmentum 1^{um}. læte viride, fulvescens, apice cupreum, subtus pallidius: pedes fulvi; coxæ virides; femora fusca, apice flava; tarsi pallide fulvi; ungues et pulvilli fusci. (Corp. long. lin. 1—1 $\frac{3}{4}$; alar. 1 $\frac{1}{2}$ —2 $\frac{1}{4}$.)

Var. β.—*Mas*, antennæ articulo 1^o. pallide fulvo, basi flavo.

Var. γ.—*Mas*, thorax viridis.

Var. δ.—*Mas*, abdomen utrinque et apice cupreum.

Var. ε.—*Fem.* caput et thorax æneo-viridia: meso- et metatibiæ fusco cingulatæ.

Var. ζ.—*Fem.* femora fulva.

Var. η.—*Fem.* tibiæ et tarsi obscure fulva.

July; near London. Reared from the chrysalises of *Papilionites*, at Paris, by the Comte de Castelleau; of a species of *Acronycta*, by Mr. Davis; and of *Eyprepia caia*, which *Exorista larvarum* had already infested, by Mr. Newman, who published an interesting account of it in Loudon's Mag. Nat. Hist. Vol. V. p. 252.

SECTIO VI.

Sp. 102. Pter. lugubris. Fem. P. mediocri *similis* at *minor brevior obscurior*.

Viridi-æneus, parum nitens: caput viride: oculi ocellique rufi: antennæ fuscæ; articulus 1^{us}. obscurior, basi fulvus: abdomen nitens; segmentum 1^{um}. viride, cupreo varium; discus cupreo-purpureus: pedes flavi; coxæ virides; femora viridi-fusca, apice flava; tibiæ fuscæ cingulatæ; tarsi apice fusci; protarsi fulvi: alæ sublimpidæ; squamulæ et nervi flava, illæ apice fuscæ; stigma fulvum, parvum. (Corp. long. lin. $\frac{3}{4}$ —1; alar. 1 $\frac{1}{4}$ —1 $\frac{1}{2}$.)

Var. β.—Mesothorax cupreo-æneus.

Var. γ.—Caput et thorax æneo-viridia

September; Isle of Wight.

Sp. 103. Pter. nigro-æneus. Fem. *P. lugubri similis at obscurior, antennæ crassiores.*

Nigro-æneus, parum nitens: caput nigro-viride: oculi ocellique rufi: antennæ fuscæ; articulus 1^{us}. obscurior, basi fulvus: abdomen nitens; segmentum 1^{um}. viride, cupreo-varium; discus cupreo purpureus: pedes flavi; coxæ virides; femora viridifusca, apice flava; tibiæ fusco cingulatæ; tarsi apice fuscii; pro-tarsi fulvi: proalæ subfuscæ; squamulæ virides; nervi fulvi; stigma minutum; metalæ sublimpidæ. (Corp. long. lin. $\frac{5}{4}$ —1; alar. $1\frac{1}{4}$ — $1\frac{1}{2}$.)

Var. β.—Abdomen nigro-viride; segmentum 1^{um}. cupreo-æneum.

Var. γ, Var. β, similis: abdominis discus cupreus.

September; Isle of Wight.

ART. XXI.—*Varieties.*

5. *Two Pupæ of Saturnia in one Cocoon.*—The following singular fact perhaps might not be deemed unworthy of insertion in your valuable magazine. A lady, whose name is Eginton, residing near Worcester, had a very fine larva of *Saturnia Pavonia minor* brought to her, which shortly afterwards formed its cocoon, and from its extraordinary size, she entertained great expectations of a very fine specimen to adorn her cabinet the following spring; but to her great astonishment there emerged therefrom a *male* and *female* of the species in great perfection. A few days afterwards I called upon the lady, and witnessed this most singular fact, and made such inquiry as to be fully satisfied that no other insect of the kind, in either state, could have gained admission into the box where the larvæ had been deposited to undergo its transformation.

With the lady's kind permission I have thought fit to mention her name, who can, if needful, corroborate this very singular and extraordinary vagary of nature, as I am quite disposed to think that many Entomologists will imagine that some mistake must have been made, or else perhaps doubt or disbelieve the circumstance altogether; and really I must be candid enough to remark, that had I not been an eye-witness thereto, I should be much inclined to dispute the truth of it